

49090



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

In re Application of	:	PATENT
	:	
Walter DORR	:	
	:	
Serial No.: 10/542,781	:	Art Unit: 3745
	:	
Filed: July 20, 2005	:	Examiner: F. D. Lopez
	:	
For: PISTON-TYPE ACCUMULATOR	:	Appeal No. _____

**SUPPLEMENTAL REPLY BRIEF**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant-Appellant submits the following Supplemental Reply Brief pursuant to 37 C.F.R. §41.43 in response to the August 18, 2009 Supplemental Examiner's Answer in connection with the appeal of the above-identified application.

**This Unobvious Combination of Known Elements is Patentable**

Even assuming for the sake of argument only that the subject matter of claim 11 is a combination of known elements, such combination is not obvious from the cited patents. Thus, that combination is patentable.

The comments on page 3 of the Supplemental Examiner's Answer appear to relate to the argument presented on page 3, lines 10-18, of Applicant's July 14, 2009 Reply Brief and to relate

to the alleged obviousness of combining the Clark patent with the Peter and Schabuble patents, as proposed in the statement of the rejection. In support of the rejection, the arguments set forth on this page of the Supplemental Examiner's Answer very broadly describe each of the three cited and applied patents as relating to pistons and that the various features of the patents can be combined in any manner without considering the purpose and function of those features and without any articulated or logical reason or prior art teaching for the proposed combination. By using a broad descriptive classification for the devices of the various patents, any patents can be combined resulting in all combinations of known elements being unpatentable. Such conclusion and result is contrary to well-established law. See, e.g., Ex parte Levengood, 28 USPQ2d 1300 (Bd. Pat. App. & Int. 1993) (holding that references teaching all aspects of the claimed invention individually are not sufficient to establish a prima facie case of obviousness without some objective reason to combine the teachings of the references).

The Peter and Schabuble patents relate to position magnetic sensors for pistons. In contrast, the Clark patent relates to sealing and bearing rings for pistons, and does not relate to magnetic or other sensors. The only logical combination of applying the Clark patent subject matter to the Peter patent, the Schabuble patent or a Peter-Schabuble combination would be relative to the mounting of the sealing and bearing structures of the Peter and Schabuble pistons, and not to the arrangement for attaching a magnet on a piston. No logical reason or prior art teaching is articulated in the Examiner's Answer or the Supplemental Examiner's Answer to support the alleged obviousness of the claimed subject matter.

The purpose and function of the fixing structure of the Clark patent must be considered to determine whether it provides a reason or teaching to apply it to the Peter patent or to the Peter/Schabuble combination to render the claimed invention obvious. The absence of such reason or

teaching demonstrates that the proposed rejection of the claimed subject matter is untenable. Specifically, no reason or teaching supports the allegation that the Clark sealing and bearing structure should be used to support a magnet sensor arrangement on a piston, particularly on the Peter piston. The Clark patent would only be used by one of ordinary skill in the art to modify the sealing and bearing features of the Peter piston, not its support for its magnetic sensor.

#### The Peter Housing is Not Cylindrical as Claimed

Claim 11 recites an accumulator housing having a cylindrical tube having a gas space and a hydraulic fluid space, and having a piston axially movable in that cylindrical tube and separating those spaces in the housing. To meet this limitation, both the Peter housing 1 and tube member 5 must be relied upon. This combination of the Peter housing 1 and tube member 5 does not provide the essentially uniform transverse cross-sectional configuration necessary to meet the definition of a cylinder, particularly as used in this application.

The reference to the cylinder of a revolver is inapposite. Revolver cylinders with blind grooves are not shown to be part of the definition, and are not supported by any evidence in the record. Such unsupported allegations are not appropriate for consideration in the determination of the propriety of the rejection. The reference to cylinders with blind grooves in a revolver is simply inapplicable to the use of “cylindrical” in the claims of this application.

#### Shoulder Surface Between Gas Space and Hydraulic Fluid Space is a Necessary and Inherent Feature of the Combination of Claim 11

The shoulder surface recited in claim 11 must be axially between the hydraulic fluid and gas spaces contrary to the allegation contained in section 3 on page 5 of the Supplemental Examiner’s Answer. The allegation that claim 11 does not require that the shoulder surface be

axially between the fluid and gas spaces misinterprets the claimed subject matter by failing to consider the totality of the claim.

This misinterpretation results from the consideration only of the recitation “a radially extending shoulder surface extending between said smaller and larger circumferential sections” and from the failure to consider the following recitations of “said smaller circumferential section located on an end of said piston opening on said gas space” and “said larger circumferential section defining an opposite end of said piston facing the fluid space...” This combination of features requires that the shoulder surface be between the gas space and the fluid space since the shoulder surface is between the two circumferential sections and since the circumferential sections are respectively on opposite ends of the piston and face the respective spaces. All claim words must be considered in determining patentability relative to the prior art. In re Wilson, 424 F.2d 1382, 1385, 165 USPQ 494, 496 (C.C.P.A. 1970). As stated by the Federal Circuit on September 3, 2009, “giving claims their broadest reasonable interpretation during examination does not include giving claims a legally incorrect interpretation.” In re Skvorecz, \_\_\_\_\_ F.3d \_\_\_\_\_, \_\_\_\_\_ USPQ2d \_\_\_\_\_ (Fed. Cir. 2009) at page 8 (copy enclosed).

When claim 11 is properly interpreted in this manner, the Peter shoulder, if any exists at all, fails to meet the series of three claim recitations appearing in claim 11, lines 8-11. No specific discussion is provided in the Supplemental Examiner’s Answer relative to the recitations of the larger and smaller sections being on opposite ends of the piston and facing the respective spaces. Additionally, the Supplemental Examiner’s Answer fails to provide any analysis or description of any structure that would satisfy the claim limitations and not have the shoulder surface axially between the fluid and gas spaces, as demonstrated by Applicant. That failure shows that the rejection is based on a misinterpretation of claim 11.

### The Dependent Claims

Still, no specific comments are provided to support the rejection of the dependent claims.

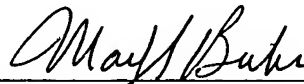
o - O - o

Any remaining contentions in the Supplemental Examiner's Answer are adequately addressed in the Brief on Appeal and the previously filed Reply Brief, and are not repeated herein.

### Conclusion

For the reasons presented in the Brief on Appeal, the previously filed Reply Brief and above, Applicant-Appellant submits that the rejections of the claims under 35 U.S.C. §103 are untenable, and requests that these rejections be reversed.

Respectfully submitted,



---

Mark S. Bicks  
Reg. No. 28,770

Roylance, Abrams, Berdo & Goodman, LLP  
1300 19th Street, NW  
Washington, DC 20036  
(202) 659-9076

September 10, 2009



# United States Court of Appeals for the Federal Circuit

2008-1221  
(Serial No. 09/772,278)

IN RE ROBERT SKVORECZ

Eugene Lieberstein, Baker & Hostetler LLP, of New York, New York, argued for appellant. With him on the brief was David A. Einhorn.

William LaMarca, Associate Solicitor, Office of the Solicitor, United States Patent and Trademark Office, of Arlington, Virginia, argued for the Director of the United States Patent and Trademark Office. With him on the brief was Benjamin D.M. Wood, Associate Solicitor.

Appealed from: United States Patent and Trademark Office  
Board of Patent Appeals and Interferences

# United States Court of Appeals for the Federal Circuit

2008-1221  
(Serial No. 09/772,278)

IN RE ROBERT SKVORECZ

Appeal from the United States Patent and Trademark Office, Board of Patent Appeals and Interferences.

---

DECIDED: September 3, 2009

---

Before NEWMAN, FRIEDMAN, and MAYER Circuit Judges.

NEWMAN, Circuit Judge.

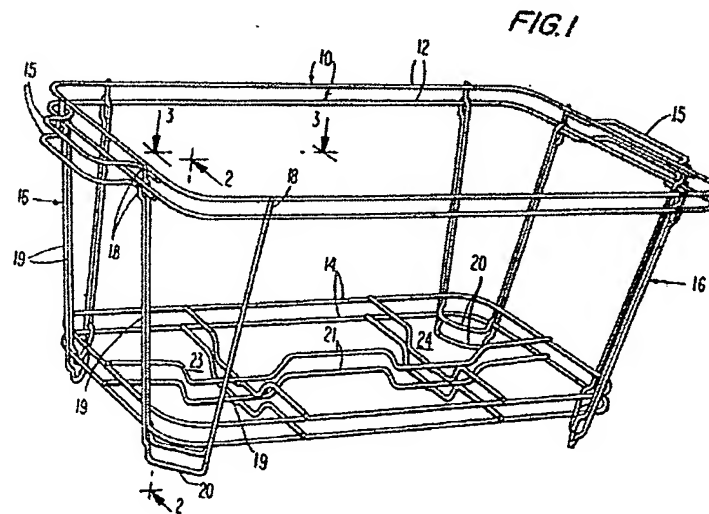
Robert J. Skvorecz appeals the decision of the United States Patent and Trademark Office (PTO) Board of Patent Appeals and Interferences (Board), rejecting claims 1-5 and 7 in his application to reissue United States Patent No. 5,996,948 (the '948 patent).<sup>1</sup> We reverse the rejection and remand for further proceedings.

---

<sup>1</sup> Ex Parte Skvorecz, No. 2006-1989 (B.P.A.I. March 28, 2007) (Decision); (B.P.A.I. Nov. 19, 2007) (denial of rehearing).

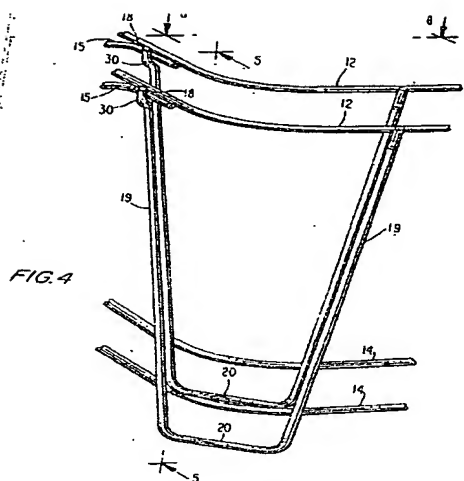
## BACKGROUND

The Skvorecz invention is a wire chafing stand, such as is used for supporting a chafer (a device for maintaining hot food outside the kitchen). The specification explains that wire chafing stands are transported and stored nested together in multiple units, and that the nested stands tend to wedge into one another and are then difficult to separate. The invention is an improved structure whereby nested stands are readily separated. The specification describes the improved stand whereby the wire legs have an indent (also called an "offset") located adjacent to the upper ends of the legs, serving to laterally displace each leg relative to the point of attachment of the leg to the upper rim of the stand. The result is that the wire legs of one stand can nest within another stand, without significant wedging of the nested stands into each other. Patent Figure 1 shows two nested stands:

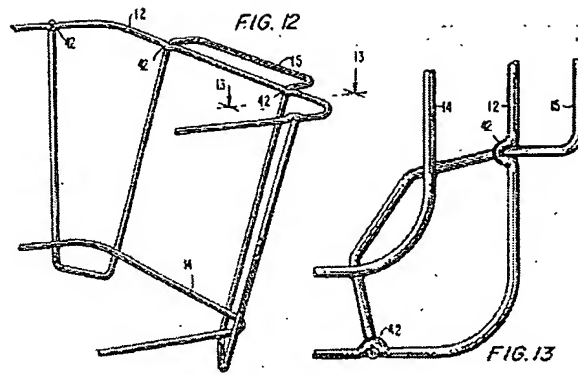


An embodiment of the offset is marked at 30 in Patent Figure 4:





Mr. Skvorecz's patent application was filed on January 12, 1998 as a continuation-in-part, and after due examination, on August 12, 1999, the examiner issued a notice of allowability and examiner's amendment. On October 14, 1999 Mr. Skvorecz filed an amendment under 37 C.F.R. §1.312 to correct Figures 12 and 13 in the patent application, for which the PTO had prepared final drawings, as the rules provide. He explained: "The offsets 42 were drawn backwards by the Examiner in Figures 12 and 13 and therefore need to be corrected to properly conform to the specification so as to facilitate the nesting of one wire chafing stand into another." Mr. Skvorecz stated that "[t]he correction is necessary to conform the drawings to the description and claims," but that "this is an error limited only to the way the offsets 42 in the upper rim are shown facing the opposite direction" and does not affect the claims or require any changes in the specification. The '948 patent was issued on December 17, 1999 with Figures 12 and 13 unchanged, as follows:



On January 20, 2000, the examiner denied Mr. Skvorecz's request to correct the drawings, with the explanation: "Proposed new figure changes appear to include new matter not originally disclosed."

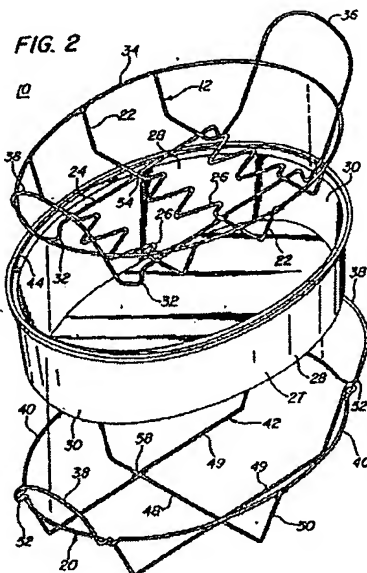
On March 15, 2001 Mr. Skvorecz filed reissue application 09/772,278, seeking reissuance of claims 1-7 of the '948 patent under 35 U.S.C. §251. Claim 1, the broadest claim in the reissue application, is as follows: (underlining indicate additions and brackets indicate deletions from original patent claim 1):

1. A wire chafing stand comprising a first [an upper] rim of wire steel which forms a closed geometrical configuration circumscribing a first surface area, [a lower rim of wire steel forming a closed geometrical configuration circumscribing a second surface area with said first surface area being larger than said second surface area] and having at least two [a plurality of] wire legs with each wire leg having two upright sections interconnected to one another [at a location below the lower rim] in a configuration forming a base support for the stand to rest upon with each upright section extending upwardly from said base support to from an angle equal to or greater than 90° with respect to a horizontal plane through said base support and being affixed to the first [upper] rim adjacent one end thereof [and to said lower rim at a relatively equal distance below the point of attachment to said upper rim] and further comprising a plurality of offsets located either in said upright sections of said wire legs or in said first [upper] rim for laterally displacing each wire leg relative to said first [upper] rim to facilitate the nesting of a multiplicity of stands into one another without significant wedging.

No changes were made in the specification or drawings. During the reissue examination, claim 6 was allowed and is not before us. The reissue examiner rejected claims 1-5 and 7

as being an improper recapture of surrendered subject matter; the Board reversed this rejection, which is not before us.

The reissue examiner also rejected claims 1, 2, and 5 for anticipation based on Figure 2 of United States Patent No. 5,503,062 (the Buff patent), shown below:



The Board sustained this anticipation rejection as to claims 1 and 2, but reversed it for claim 5, which reads as follows:

5. A wire chafing stand as defined in claim 1 wherein said plurality of offsets are welded to said wire legs at the separation of the upright sections into segments.

The Board also entered two new grounds of rejection, rejecting claim 5 for indefiniteness, and claims 1-5 and 7 for failing to comply with the written description requirement. The Board advised Mr. Skvorecz of his option, under 37 C.F.R. §41.50(b), either to request rehearing as to the new rejections or to reopen prosecution by the examiner. Mr. Skvorecz requested rehearing, and on rehearing the Board sustained its rejections. This appeal followed, as to the remaining grounds of rejection.

## DISCUSSION

The PTO is governed by the Administrative Procedure Act (APA), and the rulings of its tribunals receive the APA standard of judicial review. Dickinson v. Zurko, 527 U.S. 150, 155 (1999) (applying the APA to the PTO). Thus on appeal we give plenary review to the Board's legal conclusions, and review its findings of fact to determine if they are arbitrary, capricious, or unsupported by substantial evidence. 5 U.S.C. §706(2). Substantial evidence is "such relevant evidence as a reasonable mind might accept as adequate to support a conclusion." Consolidated Edison Co. v. NLRB, 305 U.S. 197, 229 (1938).

### ***Anticipation, 35 U.S.C. §102***

A rejection for "anticipation" means that the invention is not new. Anticipation requires that all of the claim elements and their limitations are shown in a single prior art reference. See Richardson v. Suzuki Motor Co., 868 F.2d 1226, 1236 (Fed. Cir. 1989) (anticipation requires that the identical invention is described in the reference); Glaverbel Societe Anonyme v. Northlake Mktg. & Supply, Inc., 45 F.3d 1550, 1554 (Fed. Cir. 1995) (same). Anticipation is a question of fact, and is reviewed accordingly. Glaverbel, 45 F.3d at 1554.

The Board found that the examiner established a prima facie case of anticipation based on the structural similarity between the Skvorecz invention and the Buff drawing, and that Mr. Skvorecz "failed to demonstrate that the functional characteristics of his claimed invention are not inherent in the structure disclosed by Buff." The Board stated that "[a]lthough the legs in Buff run along the long axis of the base rather than across the end of the long axis as disclosed by applicant, such is not precluded by claim language."

Mr. Skvorecz argues that his device is not the same as that of Buff, and that his claims require that each wire leg has a laterally displacing offset, while the Buff wire leg 48 does not have an offset that laterally displaces the leg from the rim. The Board agreed that “Buff’s offset in the rim was not shown to be ‘for laterally displacing each wire leg relative to said upper rim’ as required by claim 1,” but nonetheless maintained the rejection. On rehearing the Board stated that Buff’s wire 48 is a “transverse member” and not a wire leg, and therefore that it need not have a displacing offset. Mr. Skvorecz states, and we agree, that Buff’s wire 48 is a leg of the Buff structure. The Board’s contrary statement is unsupported by any evidence.

The PTO now presses the theory that claim 1 is anticipated because it can be construed to include wire legs without offsets, because the claim uses the open-ended transition term “comprising.”<sup>2</sup> The PTO argues that because the signal “comprising” is open-ended, not every wire leg is required by claim 1 to include offsets. The PTO states that the usage “comprising” permits the Skvorecz structure to include legs without offsets, although claim 1 states that “said wire legs” and “each wire leg” have offsets. Thus the PTO argues that even if claim 1 were construed to require that every wire leg has an offset, the Buff patent shows offsets 52 that laterally displace wire leg 49, apparently arguing that it is irrelevant whether Buff’s wire leg 48 has an offset. Thus the Board held that claim 1, when given its broadest interpretation, reads on the Buff structure and thus is anticipated.

The PTO has not correctly construed the signal “comprising.” This signal simply means that the device may contain elements in addition to those explicitly mentioned in the

---

<sup>2</sup> Because this aspect is a matter of law, it does not raise an issue of the Chenery doctrine, as stated in S.E.C. v. Chenery Corp., 318 U.S. 80, 87-88 (1943). See, e.g., Killip v. OPM, 991 F.2d 1564, 1568-69 (Fed. Cir. 1993).

claim. See CIAS, Inc. v. Alliance Gaming Corp., 504 F.3d 1356, 1360 (Fed. Cir. 2007) (“In the patent claim context the term ‘comprising’ is well understood to mean ‘including but not limited to.’”). The Board erred in holding that some wire legs of the Skvorecz device, as claimed, need not have an offset, when the claims state that each wire leg has an offset.

The protocol of giving claims their broadest reasonable interpretation during examination does not include giving claims a legally incorrect interpretation. This protocol is solely an examination expedient, not a rule of claim construction. Its purpose is to facilitate exploring the metes and bounds to which the applicant may be entitled, and thus to aid in sharpening and clarifying the claims during the application stage, when claims are readily changed. See In re Buszard, 504 F.3d 1364, 1366 (Fed. Cir. 2007); In re Cortright, 165 F.3d 1353, 1358 (Fed. Cir. 1999). As explained in the Manual of Patent Examining Procedure (MPEP) at §2111, entitled “Claim Interpretation; Broadest Reasonable Interpretation,” “Applicant always has the opportunity to amend the claims during prosecution, and broad interpretation by the examiner reduces the possibility that the claim, once issued, will be interpreted more broadly than is justified.”<sup>3</sup> This practice may also be useful in reissue examination. See In re Sneed, 710 F.2d 1544, 1548 (Fed. Cir. 1983).

The signal “comprising” does not render a claim anticipated by a device that contains less (rather than more) than what is claimed. Here the examination expedient of “broadest reasonable interpretation” was incorrectly applied to interpret “comprising” to mean that not all the Skvorecz wire legs need have offsets, despite the claims that state

---

<sup>3</sup> Although, the MPEP “does not have the force of law or the force of the rules of Title 37 of the Code of Federal Regulations,” MPEP Foreword (8th ed., rev. 7, Aug. 2008), it “is made available to the public and . . . describe[s] procedures on which the public can rely.” Patlex v. Mossinghoff, 758 F.2d 594, 606 (Fed. Cir. 1985).

that “each wire leg” has an offset. The Buff device does not have an offset located in each wire that serves as a leg to support the device. In the Buff structure both the transverse wire 48 and the longitudinal wire 49 provide the bottom support analogous to wire legs, and it is undisputed that wire segment 48 does not have an offset. Anticipation cannot be found, as a matter of law, if any claimed element or limitation is not present in the reference. The “anticipation” rejection is reversed.

***Indefiniteness, §112 ¶2***

35 U.S.C. §112 ¶2 states:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

The MPEP at §2173.02 (“Clarity and Precision”) states that the “focus during the examination of claims for compliance with the requirement for definiteness of 35 U.S.C. [§]112, second paragraph is whether the claim meets the threshold requirements of clarity and precision, not whether more suitable language or modes of expression are available.”

The MPEP states:

Definiteness of claim language must be analyzed, not in a vacuum, but in light of:

- (A) The content of the particular application disclosure;
- (B) The teachings of prior art; and
- (C) The claim interpretation that would be given by one possessing the ordinary level of skill in the pertinent art at the time the invention was made.

Id. The reissue examiner had not rejected any claim on this ground, but the Board entered a new ground of rejection, rejecting claim 5 for indefiniteness. The PTO argues that the Board correctly determined that (1) the phrase “at the separation” in dependent claim 5 lacks antecedent basis in independent claim 1, rendering claim 5 indefinite; and (2) the

indefiniteness of “at the separation” renders the term “segments” indefinite, especially because “segments” is not defined in the specification.

Mr. Skvorecz points out that reissue claim 5 is identical to claim 5 as issued in the original patent, and that the terms now criticized by the Board were not deemed indefinite by any examiner. He states that the limitation added by claim 5, which states “with the plurality of offsets welded to said wire legs at the separation of the upright sections into segments,” was shown in the specification as originally filed, for the specification shows that the upright sections of the wire legs form segments, as illustrated at elements 18 and 19 in Figures 2 and 3. MPEP §2173.05(e), entitled “Lack of Antecedent Basis,” states: “There is no requirement that the words in the claim must match those used in the specification disclosure,” and “Obviously, . . . the failure to provide explicit antecedent basis for terms does not always render a claim indefinite.” MPEP §2173.02 states: “Some latitude in the manner of expression and the aptness of terms should be permitted even though the claim language is not as precise as the examiner might desire.” We agree with Mr. Skvorecz that the clause “welded to said wire legs at the separation” does not require further antecedent basis in claim 1, for a person skilled in the field of the invention would understand the claim when viewed in the context of the specification.

With respect to the Board’s concern that “it is unclear what is being described by the term ‘segments,’” on rehearing the Board proposed that if claim 5 were to recite “a separation” instead of “the separation,” the definiteness requirement would be met. The Board explained:

We would agree with Applicant’s argument if claim 5 cited “welded to said wire legs to form a separation” (i.e., the separation does not yet exist). However, the claim recites “welded to said wire legs at the separation” and



the language “at the separation” indicates that the separation already exists prior to the welding. This contradicts Applicant’s explanation.

Rehearing op. at 4. This helpful suggestion may be implemented on remand.<sup>4</sup> Subject to this potential amendment, the rejection on the ground of indefiniteness is reversed.

***Written Description, §112 ¶1***

The written description requirement is set forth in 35 U.S.C. §112, ¶1:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

A purpose of the written description requirement is to provide the public with knowledge of the patented technology, thereby to advance the useful arts. The description of the invention provides the foundation for the scope and content of the claims, and serves to demonstrate that the applicant is in possession of the invention that is claimed. In fulfillment of these purposes, the applicant may employ “such descriptive means as words, structures, figures, diagrams, formulas, etc., that fully set forth the claimed invention.” Lockwood v. American Airlines, Inc., 107 F.3d 1565, 1572 (Fed. Cir. 1997). The form and presentation of the description can vary with the nature of the invention; compliance with the written description requirement is a fact-dependent inquiry. In re Alton, 76 F.3d 1168, 1172 (Fed. Cir. 1996).

The PTO argues that the claim element “a plurality of offsets located . . . in said first

---

<sup>4</sup> The PTO Rules permit an applicant, after a decision of the Board involving a new ground of rejection, to request either further examination or rehearing. When rehearing has been requested, and the Board has on rehearing suggested helpful amendments, the applicant is reasonably entitled to implement the Board’s suggestions.

rim” is not described in the specification, and is described only in the proposed correction to Figures 12 and 13, which the examiner refused to enter. Mr. Skvorecz argues that Figures 12 and 13 indeed show the offsets in the first rim, pointing to the specification’s description of these figures as “offsets 42 are formed in the upper rim 14 of the chafing stand 10,” ’948 patent col.5 ll.18-19, “laterally displacing each leg.” The specification states that Figure 12 is “still another alternative embodiment of the present invention” and Figure 13 is a top view of Figure 12. ’948 patent col.3 ll.13-16. Mr. Skvorecz states that his unsuccessful request to change Figures 12 and 13 was not new matter but merely to correct an immaterial feature of offset orientation.

Figures 12 and 13 do show such offsets in the rim. However, the PTO argues that Figures 12 and 13 are partial figures, and do not show every leg’s offsets and their displacement. However, the full structure is shown in other drawings of the various embodiments, in full structure (such as Figures 1 and 7) and partial structure (such as Figures 10 and 11). See In re Wright, 866 F.2d 422, 426 (Fed. Cir. 1989) (the specification as a whole must be considered). A skilled artisan would readily understand Figures 12 and 13 as partial structures showing detail of the offsets. “An applicant’s disclosure obligation varies according to the art to which the invention pertains.” In re Hayes Microcomputer Products, Inc. Patent Litig., 982 F.2d 1527, 1534 (Fed. Cir. 1992). A person skilled in the mechanical arts would understand the specification including the drawings as showing the offsets and the lateral displacement of each wire leg. The Board’s finding that the written description requirement is not met is unsupported by substantial evidence, and is reversed.

## CONCLUSION

The rejections on grounds of §§102 and 112 are reversed. The case is remanded for further proceedings.

REVERSED AND REMANDED